Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/20/2021 11:53 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124431	-1	1.22	124355	1.21
Blue	F	SSC	125000	126247	0	2.24	126656	2.13
Blue	E	FITC	13131	12780	-3	2.40	295	15.76
Blue	D	PE	24112	23768	-2	1.88	545	10.84
Blue	B	PerCP-Cy5-5	31295	30342	-4	3.19	1004	15.14
Blue	A	PE-Cy7	19939	19678	-2	5.40	520	30.06
Red	C	APC	42122	41856	-1	2.80	1751	11.37
Red	A	APC-Cy7	22340	21741	-3	3.11	813	11.58
Violet	B	V450	7410	7074	-5	3.15	427	12.10
Violet	A	V500	28118	27146	-4	2.70	675	9.61

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22996	1.30	570	1	N/A	N/A	Pass
Blue	F	SSC	58852	1.09	522	10	N/A	N/A	Pass
Blue	E	FITC	54	58.52	489	2	0.0448	288	Pass
Blue	D	PE	115	38.44	492	4	0.4661	420	Pass
Blue	B	PerCP-Cy5-5	186	37.35	588	2	0.0181	66	Pass
Blue	A	PE-Cy7	104	71.08	632	4	0.0210	5	Pass
Red	C	APC	404	24.19	581	5	0.0280	202	Pass
Red	A	APC-Cy7	181	27.86	555	4	0.0064	1266	Pass
Violet	B	V450	60	60.76	459	6	0.0657	2212	Pass
Violet	A	V500	98	34.44	471	6	0.0274	1003	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/20/2021 11:53 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.69	-31.36	1.00
Blue	20.36	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	14.17	13.60 - 20.40	N/A	N/A	29.77	30.03	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 12109

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments